ABSTRACT

The disclosed information describes a preheating method and apparatus for preheating raw tire including metal members embedded therein prior to vulcanization molding process, to heat whole part of the raw tire up to desirable temperature rapidly and certainly to complete vulcanization molding in a short time. The disclosed apparatus comprises a retaining means for retaining raw tire in a predetermined attitude in a releasable manner; a induction heating means for heating the metal members inductively by means of a high frequency magnetic field, the high frequency magnetic field being applied to raw tire retained by the retaining means; and a radiation heater for heating a rate-limiting portion radiatively, the temperature of the rate-limiting portion rising slowly under only induction heating for the metal members.